

In the claims:

1-70. (Canceled)

71. (Currently Amended) An isolated host cell comprising:

(i) a nucleic acid sequence encoding a variant of a wild type coat protein of a bacteriophage,

(aa) wherein said nucleic acid sequence encoding said variant comprises a nucleic acid sequence encoding wherein said variant comprises at least one part of said wild type coat protein of a bacteriophage, wherein said at least one part comprises at least that part which causes or allows the incorporation of said coat protein into the phage coat[[:]], and wherein said variant does not contain an interaction domain for interaction with a second domain present in the (poly) peptide/protein, and;

(ab) wherein said variant comprises a cysteine residue, wherein said cysteine residue is present at, or in the vicinity of, the C- or the N-terminus of said at least one part of said wild type coat protein,

(ii) one or more nucleic acid sequences encoding a (poly)peptide/protein comprising a cysteine residue,

wherein upon expression of said nucleic acid sequence encoding [[a]] said variant of a wild type coat protein and said one or more nucleic acid sequences encoding a (poly)peptide/protein comprising a cysteine residue, attachment of said variant of a wild type coat protein and said (poly)peptide/protein occurs by formation of a disulfide bond between said cysteine residue in said variant of a wild type coat protein and said cysteine residue comprised in said (poly)peptide/protein,

wherein said nucleic acid sequence encoding a variant of a wild type coat protein does not encode an interaction domain for interaction with a second domain present in said (poly)peptide/protein, and

wherein the expression product of said nucleic acid sequence encoding said variant of a wild type coat protein and the expression product or products of any of said one or more nucleic acid sequences encoding a (poly)peptide/protein do not form a genetic fusion protein,

72-73. Canceled

74. (Previously presented) The isolated host cell of claim 71, wherein said nucleic acid sequence encoding said variant of said wild type coat protein further encodes:

(b) one or more peptide sequences for purification and/or detection purposes, wherein said one or more peptide sequences are fused to said variant of said wild type coat protein.

75. (Currently Amended) The isolated host cell of claim 71, wherein the variant of a wild type coat protein comprises a modified variant, wherein the modified variant comprises:

(a) ~~between one and six~~ additional amino acid residues not present at the corresponding amino acid positions in a wild type coat protein of a bacteriophage, wherein one of said additional amino acid residues is ~~a~~ said cysteine residue.

76. (Withdrawn-currently amended) The isolated host cell of claim 71, wherein the variant of a wild type coat protein comprises a truncated ~~portion~~variant of a wild type coat protein, wherein said truncated ~~portion~~variant comprises:

~~(a) one or more parts of said wild type coat protein or said truncated variant thereof of a bacteriophage, wherein one of said parts comprises at least that part which causes or allows the incorporation of said coat protein into the phage coat; and,~~

~~[[b)] said cysteine residue which is present at a corresponding amino acid position in a wild type coat protein of a bacteriophage.~~

77. (Withdrawn-currently amended) The isolated host cell of claim 71~~[[6]]~~, wherein the variant of a wild type coat protein comprises a truncated ~~portion~~variant of a wild type coat protein, ~~further wherein said truncated variant~~ comprises:

(a) ~~between one and six~~ additional amino acid residues not present at the corresponding amino acid positions in a wild type coat protein of a bacteriophage, wherein one of said additional amino acid residues is a said cysteine residue.

78-84. (Canceled)

85. (Previously presented) The isolated host cell of claim 71, wherein said host cell is a bacterial host cell.
86. (Previously presented) The isolated host cell of claim 71, wherein said bacteriophage is a filamentous bacteriophage.
87. (Previously presented) The isolated host cell of claim 71, wherein said (poly)peptide/protein comprises an immunoglobulin or a functional fragment thereof.
88. (Previously presented) The isolated host cell of claim 87, wherein said immunoglobulin or a functional fragment thereof is selected from the group consisting of immunoglobulins, VH, VL, Fv, scFv, disulfide-linked Fv, Fab and F(ab')₂.
89. (Withdrawn) The isolated host cell of claim 76, wherein said host cell is a bacterial host cell.
90. (Withdrawn) The isolated host cell of claim 76, wherein said bacteriophage is a filamentous bacteriophage.
91. (Withdrawn) The isolated host cell of claim 76, wherein said (poly)peptide/protein comprises an immunoglobulin or a functional fragment thereof.
92. (Withdrawn) The isolated host cell of claim 91, wherein said immunoglobulin or a functional fragment thereof is selected from the group consisting of immunoglobulins, VH, VL, Fv, scFv, disulfide-linked Fv, Fab and F(ab')₂.
93. (Withdrawn) The isolated host cell of claim 77, wherein said host cell is a bacterial host cell.
94. (Withdrawn) The isolated host cell of claim 77, wherein said bacteriophage is a filamentous bacteriophage.

95. (Withdrawn) The isolated host cell of claim 77, wherein said (poly)peptide/protein comprises an immunoglobulin or a functional fragment thereof.

96. (Withdrawn) The isolated host cell of claim 95, wherein said immunoglobulin or a functional fragment thereof is selected from the group consisting of immunoglobulins, VH, VL, Fv, scFv, disulfide-linked Fv, Fab and F(ab')₂.

97-112. (Canceled)

113. (New) The isolated host cell of claim 75, wherein said host cell is a bacterial host cell.

114. (New) The isolated host cell of claim 75, wherein said bacteriophage is a filamentous bacteriophage.

115. (New) The isolated host cell of claim 75, wherein said (poly)peptide/protein comprises an immunoglobulin or a functional fragment thereof.

116. (New) The isolated host cell of claim 115, wherein said immunoglobulin or a functional fragment thereof is selected from the group consisting of immunoglobulins, VH, VL, Fv, scFv, disulfide-linked Fv, Fab and F(ab')₂.

117. (New) An isolated bacterial host cell comprising:

(i) a nucleic acid sequence encoding a variant of a wild type coat protein of a bacteriophage, wherein said nucleic acid sequence encoding said variant encodes:

(a) at least that part of said wild type coat protein which causes or allows the incorporation of said coat protein into the phage coat,

(b) a signal sequence for transport of said variant to the periplasm of the host cell and

(c) a cysteine residue present at, or in the vicinity of, the C- or the N-terminus of said at least one part of said wild type coat protein;

(ii) one or more nucleic acid sequences encoding a (poly)peptide/protein comprising a cysteine residue,

wherein upon expression of said nucleic acid sequence encoding said variant of a wild type coat protein and said one or more nucleic acid sequences encoding a (poly)peptide/protein comprising a cysteine residue, attachment of said variant of a wild type coat protein and said (poly)peptide/protein occurs by formation of a disulfide bond between said cysteine residue in said variant of a wild type coat protein and said cysteine residue comprised in said (poly)peptide/protein,

wherein no interaction domain for interaction with a second domain present in said (poly)peptide/protein has been genetically fused to said variant of a wild type coat protein, and

wherein the expression product or products of said one or more nucleic acid sequences encoding a (poly)peptide/protein do not form a genetic fusion protein with said variant of a wild type coat protein of a bacteriophage.

118. (New) The isolated host cell of claim 117, wherein said nucleic acid sequence encoding said variant of said wild type coat protein further encodes one or more peptide sequences for purification and/or detection purposes, wherein said one or more peptide sequences are fused to said variant of said wild type coat protein.

119. (New) The isolated host cell of claim 117, wherein said variant of a wild type coat protein comprises up to seven additional amino acid residues not present at the corresponding amino acid positions in a wild type coat protein of a bacteriophage, wherein one of said additional amino acid residues is said cysteine residue.

120. (New) The isolated host cell of claim 117, wherein the variant of a wild type coat protein comprises a truncated variant of a wild type coat protein, wherein said truncated variant comprises: said cysteine residue, which is present at a corresponding amino acid position in a wild type coat protein of a bacteriophage.

121. (New) The isolated host cell of claim 117, wherein the variant of a wild type coat protein comprises a truncated variant of a wild type coat protein, wherein said truncated variant

comprises up to seven additional amino acid residues not present at the corresponding amino acid positions in a wild type coat protein of a bacteriophage, wherein one of said additional amino acid residues is said cysteine residue.

122. (New) The isolated host cell of claim 117, wherein said bacteriophage is a filamentous bacteriophage.

123. (New) The isolated host cell of claim 117, wherein said (poly)peptide/protein comprises an immunoglobulin or a functional fragment thereof.

124. (New) The isolated host cell of claim 123, wherein said immunoglobulin or a functional fragment thereof is selected from the group consisting of, VH, VL, Fv, scFv, disulfide-linked Fv, Fab and F(ab')₂.

125. (New) The isolated host cell of claim 123, wherein said immunoglobulin or a functional fragment thereof is a Fab wherein the heavy and light chain are not linked via a disulfide bond.